

Please type a plus sign (+) inside this box → ☐

PTO SB 08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

## **Complete if Known**

Application Number	Not yet assigned
Filing Date	Herewith
First Named Inventor	Mark KHESIN et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	59589.000037?

Sheet 2 of 2

J1011 U.S. PTO  
 10/040917  
 01/09/02

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
KO	P8	M.J. Khesin, et al., "Demonstration of New Flame Monitoring System at a Pilot-Scale Gas-Fired Combustion Test Facility", American Flame Research Committee, International Symposium, Baltimore, Md, Sep., 1996	
KO	P9	MK Engineering, Inc., "System may boost combustion efficiency", Industry Watch, Sep. 1996	
KO	P10	M.J. Khesin, et al., "Demonstration Tests of New Burner Diagnostic System on a 650 MW Coal-Fired Utility Boiler", presented at the American Power Conference, Chicago, Apr. 1997	
KO	P11	M.J. Khesin, et al., "Application of a New Burner Diagnostic System for Coal-Fired Utility Boilers", presented to the Joint ISA/EPRI Symposium, Jun., 1997, Knoxville, TN	
KO	P12	MK Engineering, Inc., "Combustion Diagnostic System", illustrated brochure distributed Jan., 1998	
KO	P13	MK Engineering, Inc., "Application of MPV-1 Combustion Diagnostic System--A Case Study, Application on a 650 MW Coal-Fired Unit" Jan., 1998	
KO	P14	MK Engineering, Inc., "MPV-1 Combustion Diagnostic System for Tangential Boilers", Jan., 1998	
KO	P15	MK Engineering, Inc., "MPV-1 Combustion Diagnostic System", distributed Feb., 1998	
KO	P16	"Algorithms convert chaos into efficiency", text as printed in Personal Engineering and Instrumentation, Apr., 1998	
KO	P17	M.J. Khesin et al., "Combustion Control--New Environmental Dimension", pp. 1262-1266; Proceedings of the American Power Conference. (Date Unknown)	
KO	P18	M.J. Khesin et al., MPV Combustion Diagnostic and Optimization System, The Mega Symposium, EPRI-DOE-EPA Combined Utility Air Pollutant Control Symposium, Aug. 1999	
KO	P19	GE Brochure "MK Combustion Optimization System," 2001	
KO	P20	Panametrics, Inc. (brochure), In-situ oxygen analyzer FGA411, September 1999	
KO	P21	Nicholas Szabo et al., "Microporous zeolite modified yttria stabilized zirconia sensors for nitric oxide determination in harsh environments," The Ohio State University, 2001	
KO	P22	Eric Wachsman et al., "Selective detection of NOx by differential electrode equilibria", Solid State Ionic Devices II - Ceramic Sensors, Electrochem. Soc., Ed. 2000:37, 298-304 (2001)	

Please type a plus sign (+) inside this box →



PTO SB.08A (08-00)

Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A-PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number	Not yet assigned
Filing Date	January 9, 2002
First Named Inventor	Mark KHESIN et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	59589.000040

Sheet 1 of 2

J1011 U.S. PTO  
10/040917



## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.	U.S. Patent Document		Name of Patentee or Applicant or Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
KO	U1	5,756,059		Zamansky et al.	05-26-1998	
KO	U2	3,936,648		Cormault et al.	02-03-1976	
KO	U3	1,039,844		MacDonald	08-02-1977	
KO	U4	4,101,403		Kita et al.	07-18-1978	
KO	U5	4,253,404		Leonard	03-03-1981	
KO	U6	4,260,363		Cratin, Jr.	04-07-1981	
KO	U7	4,296,727		Bryan	10-27-1981	
KO	U8	4,562,529		Drummond	12-31-1985	
KO	U9	4,639,717		De Meirman	01-27-1987	
KO	U10	6,277,268		Khesin et al.	08-21-2001	

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
KO	P1	Khesin, M. J., Ivantov, A. A., "Fluctuations of Flue Gas Oxygen as Indicator of Combustibles," Teploenergetika, 1978, 25 (5) 60-63	
KO	P2	Brochure for Miracle Sensor, MPV-2 Combustion Diagnostic System/CO Monitor, November 1997	
KO	P3	M.J. Khesin, et al., "Smart Flame Scanners--Myth or Reality?", American Power Conference, Chicago, Apr. 1995	
KO	P4	M.J. Khesin, "Combustion Diagnostics based on Frequency Spectra Analysis", American Flame Research Committee, Monterey, CA, Oct. 1995	
KO	P5	Forney Corporation, "OptiFlame Burner Diagnostic System", 1996 Month N/A	
KO	P6	M.J. Khesin, et al., "Demonstration of New Frequency-Based Flame Monitoring System", American Power Conference, Chicago, Apr. 1996	
KO	P7	M.J. Khesin, et al., "Application of a Flame Spectra Analyzer for Burner Balancing", Sixth International Joint ISA POWID/EPRI Controls and Instrumentation Conference, Baltimore, Jun. 1996	

Examiner Signature		Date Considered	3/6/04
-----------------------	--	--------------------	--------

+

Please type a plus sign (+) inside this box



FILED  
FEB 06 2002  
RECEIVED  
OFFICE

PTO SB CBA 108-001

Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**Complete if Known**

Application Number	10/040,917
Filing Date	January 9, 2002
First Named Inventor	Mark KHESIN et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	59589.000040

Sheet 1 of 1

## **U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
KG HO KG RO	U1	5,827,415		Gur et al.	10/27/98	
	U2	6,067,843		Halele et al.	05/30/00	
	U3	5,796,342		Panov	08/18/98	
	U4	5,296,112		Seeger et al.	03/22/94	
	U5					
	U6					
	U7					
	U8					
	U9					
	U10					

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	P1		
	P2		
	P3		
	P4		
	P5		
	P6		
	P7		

Examiner  
Signature

*Key O*

Date  
Considered

3/6/04

+